



Universitat de Lleida

DEGREE CURRICULUM  
**DISSENY CENTRAT EN EL  
USUARI**

Coordination: ANTONI GRANOLLERS SALTIVERI

Academic year 2014-15

## Subject's general information

<b>Subject name</b>	DISSENY CENTRAT EN EL USUARI
<b>Code</b>	102026
<b>Semester</b>	2n Q Continuous Evaluation
<b>Typology</b>	Mandatory
<b>ECTS credits</b>	6
<b>Theoretical credits</b>	0
<b>Practical credits</b>	0
<b>Coordination</b>	ANTONI GRANOLLERS SALTIVERI
<b>Office and hour of attention</b>	To offer best flexibility, I have no attention schedule. Students can contact direct to me by e-mail to arrange a meeting.
<b>Department</b>	Informàtica i Enginyeria Industrial
<b>Modality</b>	Presencial
<b>Important information on data processing</b>	Consult <a href="#">this link</a> for more information.
<b>Language</b>	English
<b>Degree</b>	Grau en Enginyeria Informàtica
<b>Office and hour of attention</b>	To offer best flexibility, I have no attention schedule. Students can contact direct to me by e-mail to arrange a meeting.
<b>E-mail addresses</b>	antoni.granollers@udl.cat

ANTONI GRANOLLERS SALTIVERI

## Learning objectives

- Continuation and achievement of the knowledge acquired on "Human Computer Interaction" subject (2nd course)
- Deeping on the main concepts and methodologies that establish the User Centered Design methodology into Human-Computer Interaction discipline.
- Special emphasis on the main techniques that enable system designers to follow UCD methodologies for developing interactive systems and User Interfaces
- The subject will be mainly PRACTICAL

## Competences

- **GII-TI1.** Ability to understand the environment of an organization and its needs in the Information and Communications Technology context.
- **GII-TI3.** Ability to use user-centric methodologies and development organization, assessment and management based applications and Information Technology to ensure its accessibility, ergonomics and usability.
- **GII-TI5.** Ability to select, deploy, integrate and manage Information Systems that meet the needs of the organization, with the criteria identified cost and quality.
- **GII-TI6.** Ability to conceive systems, applications and network technologies based services, including Internet, web, e-commerce, multimedia, interactive services and mobile computing.

## Subject contents

- Introduction
- Interviews & surveys
- User profiles
- Information Architecture
- Task Analysis
- Interaction Patterns
- Multiculturality & Internacionalitization
- Launch

## Methodology

The course is developed as follows:

- There are **no grupos**, that means that all the classes are carried on with the same students.
- The course is divided in a series of topics related with UCD techniques.
- Each topic will be presented by the teacher, then the students (individually or in pairs) will work on this technique.
- At the end of every topic every student or pair will present to the rest what they have done, enabling a discussion.
- Every topic will spend 3-4 two-hour classes (see the schedule)
- A project idea will be delivered at the beginning to provide the same scenario to work on.

## Development plan

Grau en Enginyeria Informàtica (UdL) course 2013-14 User Centered Design		
week 1	13 Feb	Explanation of the subject and UCD review
week 1	14 Feb	Interviews & surveys
week 2	20 Feb	Interviews & surveys
week 2	21 Feb	Interviews & surveys
week 3	27 Feb	Interviews & surveys: Presentation of results User Profiles
week 3	28 Feb	User Profiles
week 4	06 Mar	
week 4	07 Mar	User Profiles: Presentation of results - Information Architecture
week 5	13 Mar	Information Architecture
week 5	14 Mar	Information Architecture
week 6	20 Mar	Information Architecture
week 6	21 Mar	Information Architecture: Presentation of results - Task Analysis
week 7	27 Mar	Task Analysis
week 7	28 Mar	Task Analysis
week 8	03 Apr	Task Analysis
week 8	04 Apr	Task Analysis: Presentation of Results
week 9	Week of Evaluation Activities (1rst partial exam)	
Easter		
week 10	24 Apr	
week 10	25 Apr	Interaction Design Patterns
week 11	01 May	
week 11	02 May	Interaction Design Patterns
week 12	08 May	Interaction Design Patterns
week 12	09 May	Interaction Design Patterns: Presentation of results
week 13	15 May	Multiculturality & Internationalization
week 13	16 May	Multiculturality & Internationalization
week 14	22 May	Multiculturality & Internationalization
week 14	23 May	Multiculturality & Internationalization: Presentation of results
week 15	29 May	Launch (this part may change)
week 15	30 May	Launch (this part may change)

## Evaluation

(75% final mark) 7 activities (individual or in pairs):

- 1.Interviews & surveys (10%)
- 2.User profiles (10%)
- 3.Information Architecture (10%)
- 4.Task Analysis (10%)
- 5.Interaction Patterns (10%)
- 6.Multiculturalidad & Internacionalización (10%)
- 7.UD Design (15%)

(25% final mark) Final written exam

## IMPORTANT:

- Each activity with less than 4 must be re-submitted
  - 3.9 is not 4
  - Not Presented = 0
- Every single activity ONLY can be presented TWICE
- **If the mark of the exam is <5 ==> Recovery exam**

## Bibliography

### • Webs

- <http://www.interaction-design.org/books/hci.html>
- <http://www.grihotools.udl.cat/mpuia>

### • Books

- **Understanding Your Users. A practical guide to user requirements** by C. Courage & K. Baxter. Elsevier (2005)
- **Human-Computer Interaction** (3rd Edition) by Alan Dix, Janet E. Finlay, Gregory D. Abowd and Russell Beale (Dec 20, 2003)
- **Designing Interactions** by Bill Moggridge (October 1, 2007. ISBN-10: 0262134748)
- **100 Things Every Designer Needs to Know About People** (Voices That Matter) by Susan Weinschenk (April 24, 2011). ISBN-10: 0321767535
- **Designing Interfaces** by Jenifer Tidwell (January 6, 2011). ISBN-10: 1449379702
- **User-Centered Design: A Developer's Guide to Building User-Friendly Applications** by Travis Lowdermilk (April 11, 2013)

### • Web articles

- A large web articles on: <https://delicious.com/tgranollers/GEInformàtica-UCD>